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RAW SEQUENCE LISTING

DATE: 12/20/2001

PATENT APPLICATION: US/09/734,281

TIME: 11:06:41

Input Set : N:\Crf3\RULE60\09734281.txt

Output Set: N:\CRF3\12202001\I734281.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Mercken, Marc

7 Mandelkow, Eva-Maria

8 Vandermeeren, Marc

9 Vanmechelen, Eugene

10 Van de Voorde, Andre

ENTERED

12 (ii) TITLE OF INVENTION: Monoclonal Antibodies Directed Against
13 the Microtubule-Associated Protein Tau .

15 (iii) NUMBER OF SEQUENCES: 4

17 (iv) CORRESPONDENCE ADDRESS:

18 (A) ADDRESSEE: Merchant & Gould

19 (B) STREET: 3100 Norwest Center

20 (C) CITY: Minneapolis

21 (D) STATE: MN

22 (E) COUNTRY: USA

23 (F) ZIP: 55402

25 (v) COMPUTER READABLE FORM:

26 (A) MEDIUM TYPE: Floppy disk

27 (B) COMPUTER: IBM PC compatible

28 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

29 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

31 (vi) CURRENT APPLICATION DATA:

C--> 32 (A) APPLICATION NUMBER: US/09/734,281

C--> 33 (B) FILING DATE: 11-Dec-2000

34 (C) CLASSIFICATION:

36 (vii) PRIOR APPLICATION DATA:

37 (A) APPLICATION NUMBER: 08/617,987

38 (B) FILING DATE: 1996-03-15

40 (viii) ATTORNEY/AGENT INFORMATION:

41 (A) NAME: Kowalchyk, Katherine M.

42 (B) REGISTRATION NUMBER: 36,848

43 (C) REFERENCE/DOCKET NUMBER: 8076.97USWO

45 (ix) TELECOMMUNICATION INFORMATION:

46 (A) TELEPHONE: 612-332-5300

47 (B) TELEFAX: 612-332-9081

51 (2) INFORMATION FOR SEQ ID NO: 1:

53 (i) SEQUENCE CHARACTERISTICS:

54 (A) LENGTH: 9 amino acids

55 (B) TYPE: amino acid

56 (C) STRANDEDNESS: single

57 (D) TOPOLOGY: linear

59 (ii) MOLECULE TYPE: peptide

61 (ix) FEATURE:

62 (A) NAME/KEY: Modified-site

63 (B) LOCATION: 3

64 (D) OTHER INFORMATION: /note= "S is phosphorylated"

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66      (ix) FEATURE:
67          (A) NAME/KEY: Modified-site
68          (B) LOCATION: 6
69          (D) OTHER INFORMATION: /note= "S is phosphorylated"
72      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
74          Tyr Ser Ser Pro Gly Ser Pro Gly Thr
75              1           5
80  (2) INFORMATION FOR SEQ ID NO: 2:
82      (i) SEQUENCE CHARACTERISTICS:
83          (A) LENGTH: 9 amino acids
84          (B) TYPE: amino acid
85          (C) STRANDEDNESS: single
86          (D) TOPOLOGY: linear
88      (ii) MOLECULE TYPE: peptide
91      (ix) FEATURE:
92          (A) NAME/KEY: Modified-site
93          (B) LOCATION: 6
94          (D) OTHER INFORMATION: /note= "S is phosphorylated"
97      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
99          Tyr Ser Ser Pro Gly Ser Pro Gly Thr
100             1           5
105  (2) INFORMATION FOR SEQ ID NO: 3:
107      (i) SEQUENCE CHARACTERISTICS:
108          (A) LENGTH: 9 amino acids
109          (B) TYPE: amino acid
110          (C) STRANDEDNESS: single
111          (D) TOPOLOGY: linear
113      (ii) MOLECULE TYPE: peptide
115      (ix) FEATURE:
116          (A) NAME/KEY: Modified-site
117          (B) LOCATION: 1
118          (D) OTHER INFORMATION: /note= "X is any amino acid, X is
119 absent or present"
121      (ix) FEATURE:
122          (A) NAME/KEY: Modified-site
123          (B) LOCATION: 2
124          (D) OTHER INFORMATION: /note= "X is any amino acid, X is
125 absent or present"
127      (ix) FEATURE:
128          (A) NAME/KEY: Modified-site
129          (B) LOCATION: 3
130          (D) OTHER INFORMATION: /note= "S is phosphorylated"
132      (ix) FEATURE:
133          (A) NAME/KEY: Modified-site
134          (B) LOCATION: 5
135          (D) OTHER INFORMATION: /note= "X is any amino acid"
137      (ix) FEATURE:
138          (A) NAME/KEY: Modified-site
139          (B) LOCATION: 6

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140          (D) OTHER INFORMATION: /note= "S is phosphorylated"
142      (ix) FEATURE:
143          (A) NAME/KEY: Modified-site
144          (B) LOCATION: 8
145          (D) OTHER INFORMATION: /note= "X is any amino acid, X is
146 absent or present"
148      (ix) FEATURE:
149          (A) NAME/KEY: Modified-site
150          (B) LOCATION: 9
151          (D) OTHER INFORMATION: /note= "X is any amino acid, X is
152 absent or present"
155      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
W--> 157      Xaa Xaa Ser Pro Xaa Ser Pro Xaa Xaa
158          1          5
161 (2) INFORMATION FOR SEQ ID NO: 4:
163      (i) SEQUENCE CHARACTERISTICS:
164          (A) LENGTH: 9 amino acids
165          (B) TYPE: amino acid
166          (C) STRANDEDNESS: single
167          (D) TOPOLOGY: linear
169      (ii) MOLECULE TYPE: peptide
172      (ix) FEATURE:
173          (A) NAME/KEY: Modified-site
174          (B) LOCATION: 1
175          (D) OTHER INFORMATION: /note= "X is any amino acid, X is
176 absent or present"
178      (ix) FEATURE:
179          (A) NAME/KEY: Modified-site
180          (B) LOCATION: 2
181          (D) OTHER INFORMATION: /note= "X is any amino acid, X is
182 present or absent"
184      (ix) FEATURE:
185          (A) NAME/KEY: Modified-site
186          (B) LOCATION: 5
187          (D) OTHER INFORMATION: /note= "X is any amino acid"
189      (ix) FEATURE:
190          (A) NAME/KEY: Modified-site
191          (B) LOCATION: 6
192          (D) OTHER INFORMATION: /note= "S is phosphorylated"
194      (ix) FEATURE:
195          (A) NAME/KEY: Modified-site
196          (B) LOCATION: 8
197          (D) OTHER INFORMATION: /note= "X is any amino acid, X is
198 absent or present"
200      (ix) FEATURE:
201          (A) NAME/KEY: Modified-site
202          (B) LOCATION: 9
203          (D) OTHER INFORMATION: /note= "X is any amino acid, X is
204 absent or present"

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/734,281

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Input Set : N:\Crf3\RULE60\09734281.txt

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207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
W--> 209 Xaa Xaa Ser Pro Xaa Ser Pro Xaa Xaa
210 1 5

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/734,281

DATE: 12/20/2001

TIME: 11:06:42

Input Set : N:\Crf3\RULE60\09734281.txt

Output Set: N:\CRF3\12202001\I734281.raw

L:32 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:33 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]

L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4